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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC759 U.S. PTO  
09/757834  
01/08/01

In re Patent Application of: Franz W. Ulrich et al.

Title: IMAGING FOR A MACHINE-VISION SYSTEM

Attorney Docket No.: 139.039US1

## PATENT APPLICATION TRANSMITTAL

## BOX PATENT APPLICATION

Commissioner for Patents

Washington, D.C. 20231

We are transmitting herewith the following attached items and information (as indicated with an "X"):

 Return postcard. CONTINUATION of prior Patent Application No. 60/092,089 (under 37 CFR § 1.53(b)) comprising: Specification ( 110 pgs, including claims numbered 1 through 289 and a 1 page Abstract). Formal Drawing(s) ( 38 sheets). Unsigned Combined Declaration and Power of Attorney ( 5 pgs). Prior application is assigned of record to PPT Vision, Inc. Preliminary Amendment ( 55 pgs). Small Entity Statement filed in prior application; status still proper and desired. Copy of Notice of Confirmation of Precautionary Designations filed by Applicant 9/14/1999, with attached copies of Request designating United States, transmittal and copy of return postcard stamped by the PCT/PTO Receiving Office (7 pages).

The filing fee (NOT ENCLOSED) will be calculated as follows:

	No. Filed	No. Extra	Rate	Fee
TOTAL CLAIMS	37 - 20 =	17	x 9 =	\$153.00
INDEPENDENT CLAIMS	3 - 3 =	0	x 40 =	\$0.00
MULTIPLE DEPENDENT CLAIMS PRESENTED				\$0.00
BASIC FEE				\$355.00
	TOTAL			\$508.00

THE FILING FEE WILL BE PAID UPON RECEIPT OF THE NOTICE TO FILE MISSING PARTS.

By: Charles A. Lemaire  
Atty: Charles A. Lemaire  
Reg. No. 36,198

Customer Number 21186

"Express Mail" mailing label number: EL637139239USDate of Deposit: January 8, 2001

This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to The Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: PPT VISION, INC., *et al.*

Serial No.: PCT/US99/15411

Filed: 08 July 1999

Docket No.: 139.039WO1

Title: MACHINE-VISION SYSTEM AND METHOD

jc759 U.S. PRO  
09/15/834  
01/08/01

BOX PCT

Assistant Commissioner for Patents

Washington, D.C. 20231

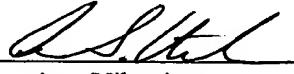
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We are transmitting herewith the attached:

- Transmittal to the United States Receiving Office (1 pg.)
- Notice of Confirmation of Precautionary Designations (1 pg.)
- Replacement pages 1 and 4 of the PCT Request form (2 pp.)
- A return postcard.

**Please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.**

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By   
Ann Viksnins  
Reg. No. 37,748

**Customer Number 21186**

**CERTIFICATE UNDER 37 CFR 1.10:**

"Express Mail" mailing label number: EL196499101US

Date of Deposit: 14 September 1999

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX PCT, Assistant Commissioner for Patents, Washington, D.C. 20231.

By: Chris Hammond  
Name: Chris Hammond

Receipt is hereby acknowledged for the following in the United States Receiving Office:

In re Application of: PPT VISION, INC., *et al.*  
Serial No.: PCT/US99/15411  
Filed: 08 July 1999  
Docket No.: 139.039WO1  
Title: MACHINE-VISION SYSTEM AND METHOD

**CONTENTS:** General transmittal (1 pg.); Transmittal Letter to the United States Receiving Office (1 pg.); Notice of Confirmation of Precautionary Designations (1 pg.); Replacement pages 1 and 4 of the Request form; a Return Postcard and TRANSMITTAL SHEET.

mcs  
Mailed: 14 September 1999  
Due Date: 08 October 1999

Express Mail #: EL196499101US  
Docket No.: 139.039WO1

524 Recd PCT/PTO 14 SEP 1999

TRANSMITTAL LETTER TO THE  
UNITED STATES RECEIVING OFFICE

Date	14 September 1999
International Application No.	PCT/US99/15411
Attorney Docket No.	139.039WO1

I. Certification under 37 CFR 1.10 (if applicable)

EL196499101US

Express Mail mailing number

14 September 1999

Date of Deposit

I hereby certify that the application/correspondence attached hereto is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Assistant Commissioner for Patents, Washington, D.C. 20231.



Signature of person mailing correspondence

Chris Hammond

Typed or printed name of person mailing correspondence

II.  New International Application

TITLE MACHINE-VISION SYSTEM AND METHOD

Earliest priority date  
(Day/Month/Year)

08 July 1998

**SCREENING DISCLOSURE INFORMATION:** In order to assist in screening the accompanying international application for purposes of determining whether a license for foreign transmittal should and could be granted and for other purposes, the following information is supplied. (Note: check as many boxes as apply):

- A.  The invention disclosed was not made in the United States.
- B.  There is no prior U.S. application relating to this invention.
- C.  The following prior U.S. application(s) contain subject matter which is related to the invention disclosed in the attached international application. (NOTE: priority to these applications may or may not be claimed on form PCT/RO/101 (Request) and this listing does not constitute a claim for priority.)

application no.		filed on	
application no.		filed on	
D. <input type="checkbox"/> The present international application <input type="checkbox"/> contains additional subject matter not found in the prior U.S. application(s) identified in paragraph C. above. The additional subject matter is found on pages <input type="checkbox"/> and <input type="checkbox"/> DOES NOT ALTER <input type="checkbox"/> MIGHT BE CONSIDERED TO ALTER the general nature of the invention in a manner which would require the U.S. application to have been made available for inspection by the appropriate defense agencies under 35 U.S.C. 181 and 37 CFR 5.1. See 37 CFR 5.15			

III.  A Response to an Invitation from the RO/US. The following document(s) is(are) enclosed:

- A.  A Request for An Extension of Time to File a Response
- B.  A Power of Attorney (General or Regular)
- C.  Replacement pages:

pages		of the request (PCT/RO/101)	pages		of the figures
pages		of the description	pages		of the abstract
pages		of the claims			

- D.  Submission of Priority Documents

Priority document		Priority document	
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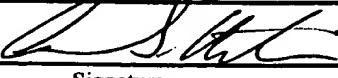
- E.  Fees as specified on attached Fee Calculation sheet form PCT/RO/101 annex

IV.  A Request for Rectification under PCT 91     A Petition     A Sequence Listing Diskette

V.  Other (please specify):

General transmittal; Notice of Confirmation of Precautionary Designations;  
Replacement pages 1 and 4 of the Request form; & a Return postcard

The person  
signing this  
form is the:

<input type="checkbox"/> Applicant	Ann S. Viksnins
<input checked="" type="checkbox"/> Attorney/Agent (Reg. No.) 37,748	Typed name of signer
<input type="checkbox"/> Common Representative	 Signature

## PATENT COOPERATION TREATY

## PCT

NOTICE OF CONFIRMATION OF PRECAUTIONARY DESIGNATIONS  
(to be filed with the receiving Office)  
(PCT Rules 4.9(c) and 15.5)

Applicant's or agent's file reference 139.039WO1	International filing date (day/month/year) 08 July 1999 (08.07.99)
International application No. PCT/US99/15411	(Earliest) Priority date (day/month/year) 08 July 1998 (08.07.98)
Applicant PPT VISION, INC., et al.	

## 1. The applicant hereby confirms the following designations made under Rule 4.9(b):

Name of State (specify if a regional patent and/or another kind of protection or treatment is/are desired)

United States of America

Name of Applicant(s) for that State

BOURN, Charles T.; MEIER, Christopher M;  
TONKIN, Steven W.; ULRICH, Franz W.;  
HACKNEY, Joshua J.; BIEMAN, Leonard H.;  
MALEK, Ayre; NORTHENSCOLD, Tom R.

## 2. Prescribed fees (Applicants from certain States are entitled to a reduction of 75% of the designation fee and the confirmation fee. Where the applicant is (or all applicants are) so entitled, the total to be entered in the TOTAL box is 25% of the sum of the amounts entered at D and C. See Notes to the Fee Calculation Sheet as annexed to the Request Form, PCT/RO/101, for details.)

1	x	\$105	=	\$105	D
Number of designations confirmed	Amount of designation fee		Total designation fee		

Confirmation fee = 50% of the above total + \$52.50 C

Total fees payable	=	\$157.50
		TOTAL

for receiving Office use only

<input checked="" type="checkbox"/> authorization to charge deposit account (see below)	<input type="checkbox"/> bank draft	<input type="checkbox"/> coupons
<input type="checkbox"/> cheque	<input type="checkbox"/> cash	<input type="checkbox"/> other (specify):
<input type="checkbox"/> postal money order	<input type="checkbox"/> revenue stamps	

## 3. Signature of applicant or agent


  
Ann S. Viksnins

## Deposit account authorization

The RO/ US  is hereby authorized to charge the total fees indicated above to my deposit account. is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated above to my deposit account.

19-0743

14 September 1999

Deposit Account Number

Date (day/month/year)

Signature

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference  
(if desired) (12 characters maximum) 139.039WO1

Box No. I TITLE OF INVENTION

MACHINE-VISION SYSTEM AND METHOD

Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

PPT VISION, INC.  
12988 Valley View Road  
Eden Prairie, Minnesota 55344  
United States of America

This person is also inventor.

Telephone No.

Facsimile No.

Teleprinter No.

State (that is, country) of nationality:  
US

State (that is, country) of residence:  
US

This person is applicant  all designated States  all designated States except the United States of America  the United States of America only  the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

BOURN, Charles T.  
14412 Woodhaven Road  
Minnetonka, Minnesota 55345  
United States of America

This person is:

applicant only

applicant and inventor

inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
US

State (that is, country) of residence:  
US

This person is applicant  all designated States  all designated States except the United States of America  the United States of America only  the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:  agent  common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

LEMAIRE, Charles A.  
Schwegman, Lundberg, Woessner & Kluth  
P.O. Box 2938  
Minneapolis, Minnesota 55402  
United States of America

Telephone No.

(612) 373-6900

Facsimile No.

(612) 339-3061

Teleprinter No.

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

## Box No.V DESIGNATION OF STATES

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked).

## Regional Patent

**AP** ARIPO Patent: **GH** Ghana, **GM** Gambia, **KE** Kenya, **LS** Lesotho, **MW** Malawi, **SD** Sudan, **SL** Sierra Leone, **SZ** Swaziland, **UG** Uganda, **ZW** Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT

**EA** Eurasian Patent: **AM** Armenia, **AZ** Azerbaijan, **BY** Belarus, **KG** Kyrgyzstan, **KZ** Kazakhstan, **MD** Republic of Moldova, **RU** Russian Federation, **TJ** Tajikistan, **TM** Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT

**EP** European Patent: **AT** Austria, **BE** Belgium, **CH** and **LI** Switzerland and Liechtenstein, **CY** Cyprus, **DE** Germany, **DK** Denmark, **ES** Spain, **FI** Finland, **FR** France, **GB** United Kingdom, **GR** Greece, **IE** Ireland, **IT** Italy, **LUL** Luxembourg, **MC** Monaco, **NL** Netherlands, **PT** Portugal, **SE** Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT

**OA** OAPI Patent: **BF** Burkina Faso, **BJ** Benin, **CF** Central African Republic, **CG** Congo, **CI** Côte d'Ivoire, **CM** Cameroon, **GA** Gabon, **GN** Guinea, **GW** Guinea-Bissau, **ML** Mali, **MR** Mauritania, **NE** Niger, **SN** Senegal, **TD** Chad, **TG** Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

National Patent (if other kind of protection or treatment desired, specify on dotted line).

<input checked="" type="checkbox"/> <b>AE</b> United Arab Emirates	<input checked="" type="checkbox"/> <b>LR</b> Liberia	
<input checked="" type="checkbox"/> <b>AL</b> Albania	<input checked="" type="checkbox"/> <b>LS</b> Lesotho	
<input checked="" type="checkbox"/> <b>AM</b> Armenia	<input checked="" type="checkbox"/> <b>LT</b> Lithuania	
<input checked="" type="checkbox"/> <b>AT</b> Austria	<input checked="" type="checkbox"/> <b>LU</b> Luxembourg	
<input checked="" type="checkbox"/> <b>AU</b> Australia	<input checked="" type="checkbox"/> <b>LV</b> Latvia	
<input checked="" type="checkbox"/> <b>AZ</b> Azerbaijan	<input checked="" type="checkbox"/> <b>MD</b> Republic of Moldova	
<input checked="" type="checkbox"/> <b>BA</b> Bosnia and Herzegovina	<input checked="" type="checkbox"/> <b>MG</b> Madagascar	
<input checked="" type="checkbox"/> <b>BB</b> Barbados	<input checked="" type="checkbox"/> <b>MK</b> The former Yugoslav Republic of Macedonia	
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<input checked="" type="checkbox"/> <b>CA</b> Canada	<input checked="" type="checkbox"/> <b>NO</b> Norway	
<input checked="" type="checkbox"/> <b>CH</b> and <b>LI</b> Switzerland and Liechtenstein	<input checked="" type="checkbox"/> <b>NZ</b> New Zealand	
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<input checked="" type="checkbox"/> <b>CU</b> Cuba	<input checked="" type="checkbox"/> <b>PT</b> Portugal	
<input checked="" type="checkbox"/> <b>CZ</b> Czech Republic	<input checked="" type="checkbox"/> <b>RO</b> Romania	
<input checked="" type="checkbox"/> <b>DE</b> Germany	<input checked="" type="checkbox"/> <b>RU</b> Russian Federation	
<input checked="" type="checkbox"/> <b>DK</b> Denmark	<input checked="" type="checkbox"/> <b>SD</b> Sudan	
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<input checked="" type="checkbox"/> <b>FI</b> Finland	<input checked="" type="checkbox"/> <b>SI</b> Slovenia	
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<input checked="" type="checkbox"/> <b>GD</b> Grenada	<input checked="" type="checkbox"/> <b>SL</b> Sierra Leone	
<input checked="" type="checkbox"/> <b>GE</b> Georgia	<input checked="" type="checkbox"/> <b>TJ</b> Tajikistan	
<input checked="" type="checkbox"/> <b>GH</b> Ghana	<input checked="" type="checkbox"/> <b>TM</b> Turkmenistan	
<input checked="" type="checkbox"/> <b>GM</b> Gambia	<input checked="" type="checkbox"/> <b>TR</b> Turkey	
<input checked="" type="checkbox"/> <b>HR</b> Croatia	<input checked="" type="checkbox"/> <b>TT</b> Trinidad and Tobago	
<input checked="" type="checkbox"/> <b>HU</b> Hungary	<input checked="" type="checkbox"/> <b>UA</b> Ukraine	
<input checked="" type="checkbox"/> <b>ID</b> Indonesia	<input checked="" type="checkbox"/> <b>UG</b> Uganda	
<input checked="" type="checkbox"/> <b>IL</b> Israel	<input checked="" type="checkbox"/> <b>US</b> United States of America	
<input checked="" type="checkbox"/> <b>IN</b> India	<input checked="" type="checkbox"/> <b>UZ</b> Uzbekistan	
<input checked="" type="checkbox"/> <b>IS</b> Iceland	<input checked="" type="checkbox"/> <b>VN</b> Viet Nam	
<input checked="" type="checkbox"/> <b>JP</b> Japan	<input checked="" type="checkbox"/> <b>YU</b> Yugoslavia	
<input checked="" type="checkbox"/> <b>KE</b> Kenya	<input checked="" type="checkbox"/> <b>ZA</b> South Africa	
<input checked="" type="checkbox"/> <b>KG</b> Kyrgyzstan	<input checked="" type="checkbox"/> <b>ZW</b> Zimbabwe	
<input checked="" type="checkbox"/> <b>KP</b> Democratic People's Republic of Korea	Check-boxes reserved for designating States which have become party to the PCT after issuance of this sheet:	
<input checked="" type="checkbox"/> <b>KR</b> Republic of Korea	<input type="checkbox"/>	
<input checked="" type="checkbox"/> <b>KZ</b> Kazakhstan	<input type="checkbox"/>	
<input checked="" type="checkbox"/> <b>LC</b> Saint Lucia	<input type="checkbox"/>	
<input checked="" type="checkbox"/> <b>LK</b> Sri Lanka	<input type="checkbox"/>	

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)